To: Stan Kaczmarek[StanK@demaximis.com]; BudneySL@cdmsmith.com[BudneySL@cdmsmith.com]; Hoppe, Michael[Hoppe.Michael@epa.gov]
Cc: Gary.Foster@CH2M.com[Gary.Foster@CH2M.com]; George.Hicks@CH2M.com[George.Hicks@CH2M.com]; John Rolfe[jrolfe@demaximis.com]; Willard Potter[otto@demaximis.com]; Robert Law[rlaw@demaximis.com]; Todd King[TKing@gldd.com]
From: Vaughn, Stephanie
Sent: Tue 11/26/2013 5:44:15 PM
Subject: RE: Carbon Analysis of Active Layer

Thanks, Stan. It does not appear that any of these locations are in the hardpan areas that call for a reduced thickness cap. Could you confirm this and/or collect a couple of cores from the hardpan areas?

Also, tomorrow during the call let's discuss the potential need to do some additional core collection after the storm we are expecting – if it ends up being significant, we may want to verify that the thickness of the active layer remains sufficient prior to placement of the geotextile layer.

Stephanie

From: Stan Kaczmarek [mailto:StanK@demaximis.com]
Sent: Monday, November 25, 2013 2:54 PM
To: BudneySL@cdmsmith.com; Hoppe, Michael; Vaughn, Stephanie
Cc: Gary.Foster@CH2M.com; George.Hicks@CH2M.com; John Rolfe; Willard Potter; Robert Law; Todd King
Subject: RE: Carbon Analysis of Active Layer

Stephanie,

A graphic showing the location and results of cores collected for visual inspection to date is attached.

Regarding the volume and weight measurements taken by Great Lakes from the belt for internal quality control, GLDD informs me that the data they collect is handwritten in field notes, but it will be transcribed into a reportable format. When I receive that, I will share it. However, while Great Lakes finds the process of using a sieve to separate and then weigh the components useful to ensure they are getting adequate AquaGate in the sand mixture, it is the daily volume measurement of AquaGate applied and the daily estimate of sand volume applied over a specific square footage that determines the final acceptability of the active layer composition. That data was submitted to you earlier today.

Regarding schedule, Great Lakes operated 1 hour today (Monday) until the onsite AquaGate was used up. Additional materials are coming up river this afternoon. We anticipate a full day of production on Tuesday, but are also preparing for a storm on Wednesday. If the rains are going to be heavy as currently predicted, there will be no production on Wednesday, and capping will then resume on Friday, continuing into Saturday. Even with this delay, placement of the active layer should be completed no later than Tuesday, December 3.

Please call me if you have any questions.

Stan Kaczmarek, PE

de maximis, inc.

186 Center Street, Suite 290

Clinton, NJ 08809

(O) (908) 735-9315

(C) (973) 978-9621

>>> On 11/25/2013 at 11:18 AM, in message <e79d1f7154af41abbd0f71f7e991b26e@BL2PR09MB017.namprd09.prod.outlook.com>, "Vaughn, Stephanie" <Vaughn.Stephanie@epa.gov> wrote:

Hi Stan,

Could you please send me the spreadsheet showing the results of the volume and weight measurements described below, as well as the results of your visual inspections of the cores? Moving forward (I know this part of the capping effort is nearly complete), could you please provide updates on a daily basis?

Thanks,
Stephanie

From: Stan Kaczmarek [mailto:StanK@demaximis.com]
Sent: Thursday, November 21, 2013 10:23 AM

To: BudneySL@cdmsmith.com; Hoppe, Michael; Vaughn, Stephanie
Cc: Gary.Foster@CH2M.com; George.Hicks@CH2M.com; John Rolfe; Willard Potter; Robert Law; Todd King
Subject: RE: Carbon Analysis of Active Layer

Stephanie,

We will begin sending cores out for Total Carbon analysis.

To answer your question, the volume and weight measurement of the sand + AquaGate mixture from the conveyor belt is performed at least 2 times each day, the results are available within 5 minutes of sample collection, and if any adjustment is required, Great Lakes Dredge and Dock does that immediately.

Stan

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>>> On 11/21/2013 at 9:39 AM, in message <dc209042327c4b01878df751af9b5b06@BY2PR09MB032.namprd09.prod.outlook.com>, "Vaughn,

Stephanie" <Vaughn.Stephanie@epa.gov> wrote:
Hi Stan,

Please go ahead and analyze the cores for carbon, as outlined in the memo.

One question -- Is the volume/weight determination performed at the end of each day (with the conveyor belt sampling being collected during the capping operation)?

Thanks,

Stephanie

From: Stan Kaczmarek <StanK@demaximis.com>
Sent: Wednesday, November 20, 2013 9:43 AM
To: BudneySL@cdmsmith.com; Hoppe, Michael; Vaughn, Stephanie
Cc: Gary.Foster@CH2M.com; George.Hicks@CH2M.com; John Rolfe; Willard Potter; Robert Law
Subject: Carbon Analysis of Active Layer

Stephanie and Mike,

Attached is a Technical Memorandum detailing CPG's approach to carbon analysis of the active layer. CPG is prepared to implement this plan upon approval from EPA.

Stan

Stan Kaczmarek, PE

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